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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Original) (An integrated actuator-carriage arm and suspension system for a hard disk drive information storage system-that can be an internal or an external drive, comprising of:
- two platters supported for rotation about an axis, and having thereon two opposite a. magnetic surfaces;
- b. six linear stationary micro-rails, that extend from outer perimeter edge towards the center of each said disk,
- two wing shaped actuator-carriage arms that move linearly over said micro rails; c.
- d. an actuator member supported for movement relative to said disks and said axis, two pairs of actuators for effecting controlled parallel movements of said members on two different quarters of the disk and said axis concurrently,
- read/write heads-where each read/write head is on the two sides of a continuous e. surface contact micro-pad, all supported by said actuator member for controlled precision movements in conjunction with said actuation member, movement of said member by said actuator corresponding to movement of said read/write heads adjacent and in a direction that is linear motion-tangential to data tracks, but conforming to approach angle of the arcs of said magnetic surface data tracks as a function of actuator geometry to said disk from said axis, and;
- f. evenly interspaced servo write and detection head members disposed on said member, that function as position detector to generate position signals to indicate the position of said

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9. (Original)	The actuator-carriage arm and suspension system as recited in claim 7, wherein
the said actua	tors, if not positioned symmetrically, a multitude of different set of tracks are
accessed by the said R/W heads of the said actuators that are in an asymmetric position; with	
only less than one revolution of the disk.	

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10. (Currently Amended) The actuator-carriage arm system as set forth in claim 1, wherein a total of twenty four thin film R/W heads and one hundred and forty eight twelve (one micro-pad for two R/W heads,) or multiples thereof- micro-pads are affixed to each of the wing shaped actuator-carriage arms, wherein each actuator covers multiple tracks concurrently where concurrent R/W does not have to be made using all of R/W heads at the same time and in another mode R/W is done sequentially, even as actuators remain stationary over a set of certain tracks or make micro distance re-positioning.

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11. (Currently Amended) The actuator-carriage arm and integrated suspension system as recited in claim 7 and or 9, wherein the arc like shaped geometry and plurality of wing shape of the actuator and the double pair configuration of said actuator arms and a series of R/W heads form an arc like path and two wings extend over and conform to the arcs of the data tracks below, thereby; enable an uninterrupted row of complete disk sectors to pass under these said R/W head members, as said R/W heads do not need to be re-positioned frequentlyas in the prior art, and therefore enable a parallel data transfer scheme.

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12. (Original) The actuator-carriage arm and suspension system as set forth in claim 1, wherein both pairs of the actuators and their R/W heads are connected to the drive electronics board, by flexible printed circuit (FPC) board electronic wiring connection that connects actuators and R/W heads to the drive electronics board, via the member that moves the pair of actuator.

13. (Original) The actuator-carriage arm and integrated suspension system as recited in claim 12, wherein; the electronic communication between actuators and R/W heads can alternatively be established with a micro-range Blue tooth technology instead of flexible printed circuit wiring.

- 14. (Original) The actuator-carriage arm and suspension system as set forth in claim 1, wherein the two stationary micro-rails per disk surface, facilitate linear movements of said member wing shaped actuators, that enable the R/W transducer heads of said integrated suspensions of said actuators to have a continuous contact pad and a constant fly height; that enables a unique parking feature of the heads, where the R/W heads that are affixed on the wing shaped actuator and integrated two suspension sides move within the two limited 1/2 inner range of the radius of the disk, are moved to positions-over two concentrically aligned non data zones-which are concentric rings-one located at the outer diameter-the other closer to center of the disk, thereby;
 - a) system is not subject to contact start stop (CSS) operation method and,
- b) system is not subject to Quasi-Rigid body vibrations and relatively high vibrations due to frequent direction reversals during the boot up, scandisk, defragmentation, compression, backup and maintenance tasks-and any other tasks that involve having to reach the entire or most or data tracks that are located in different parts of the disk area.

nitrided carbon, or chromium, or tungsten and the disk surface has an adhesion reducing texture.